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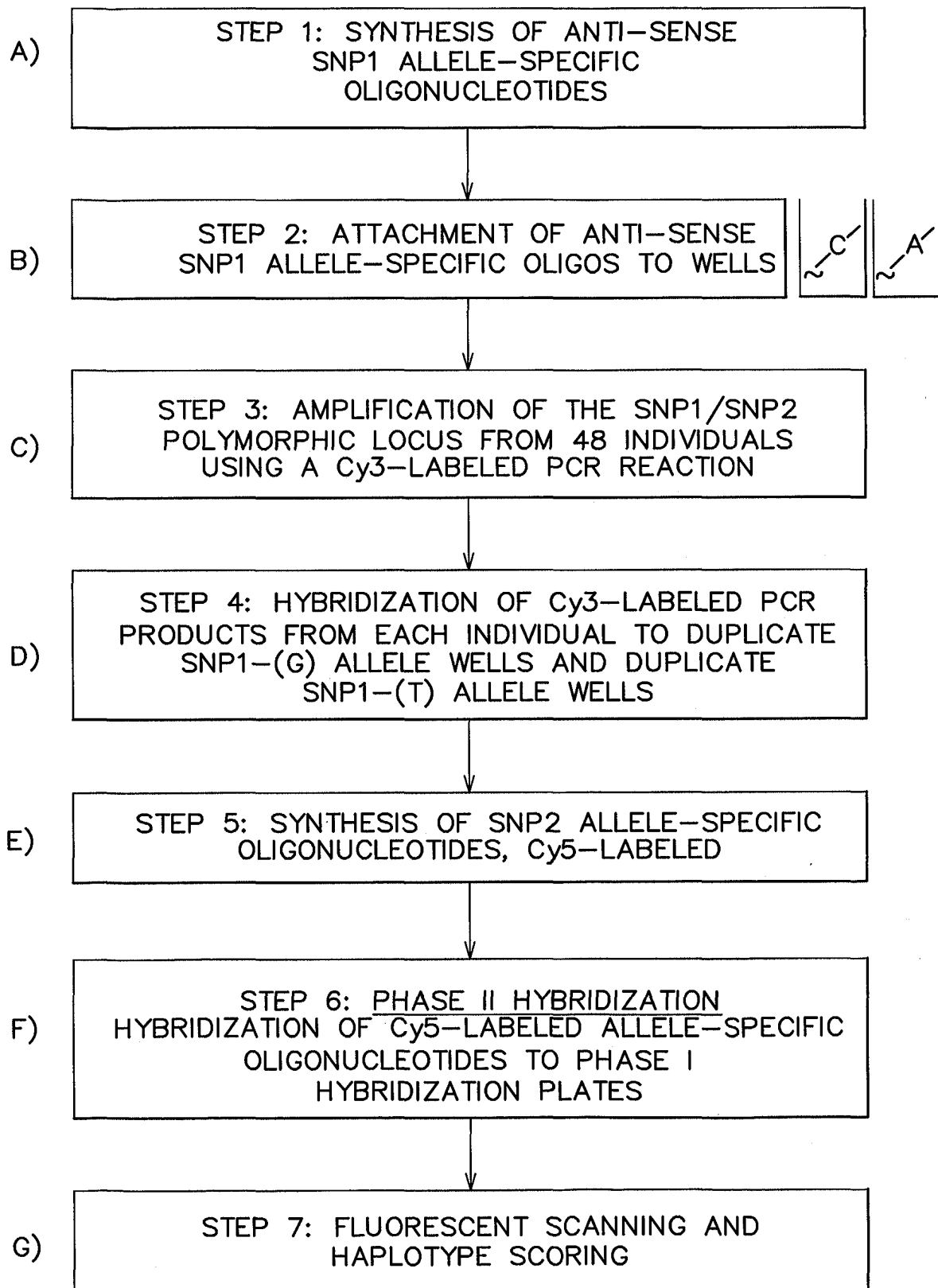


FIG. 1

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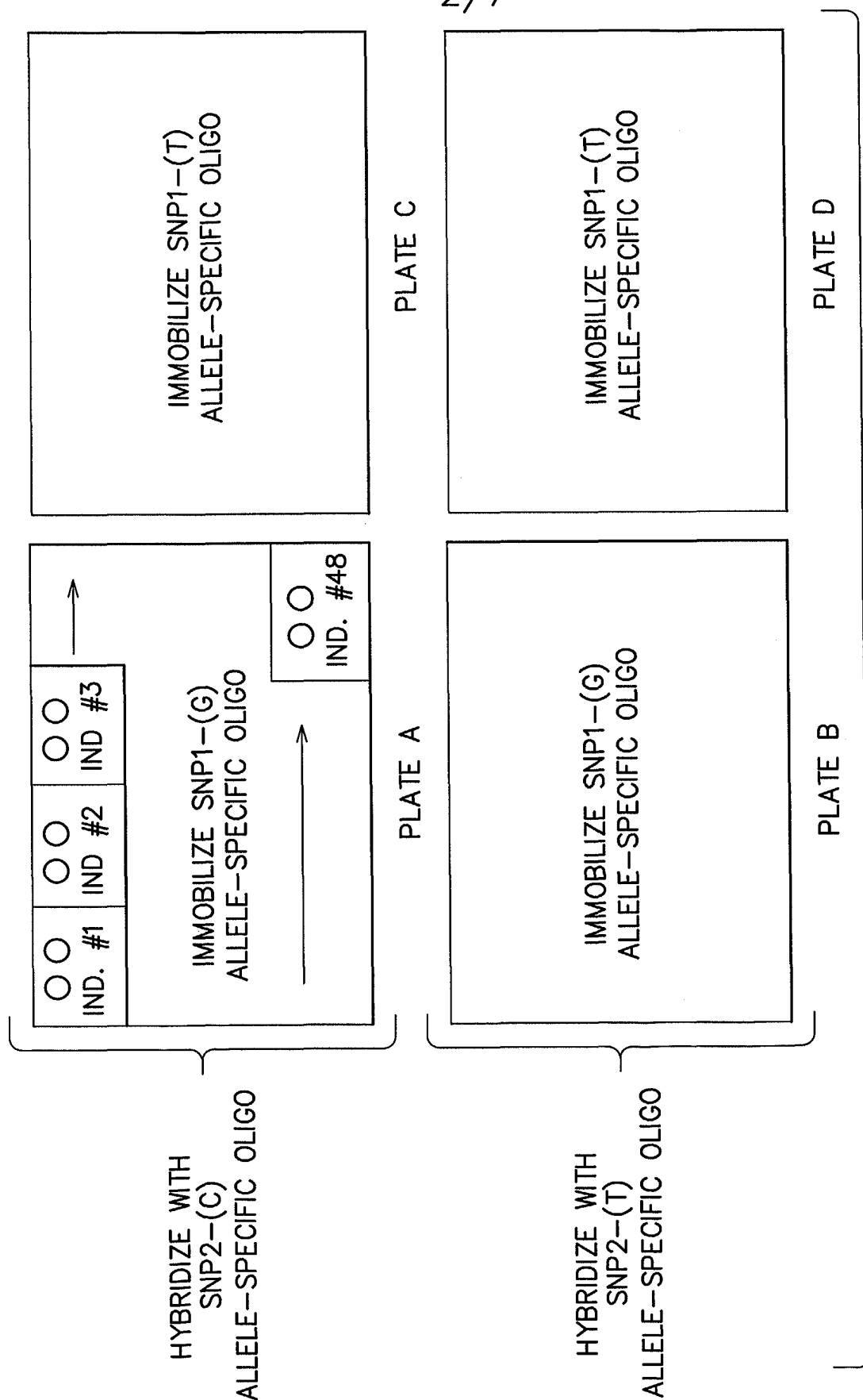
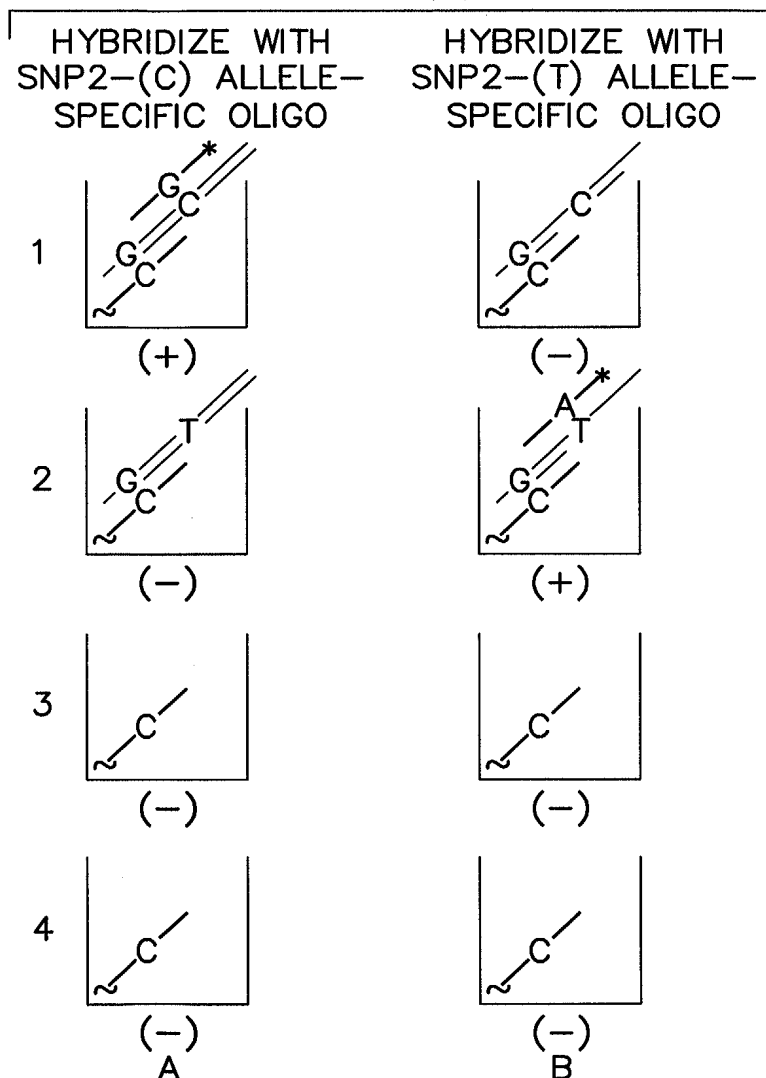


FIG. 2

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IMMOBILIZED WITH  
 SNP1-(G)



= PCR AMPLIFIED, Cy3-  
 LABELED SNP1/SNP2  
 SENSE LOCUS

= HYBRIDIZED Cy5-  
 LABELED SNP2 ANTI-  
 SENSE OLIGO

= IMMOBILIZED ANTI-  
 SENSE SNP1 OLIGO

FIG. 3A

FIG. 3B

FIG. 3A

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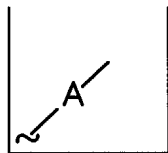
A

IMMOBILIZED WITH  
SNP1-(T)

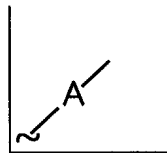
HYBRIDIZE WITH  
SNP2-(C) ALLELE-  
SPECIFIC OLIGO

HYBRIDIZE WITH  
SNP2-(T) ALLELE-  
SPECIFIC OLIGO

HAPLOTYPE

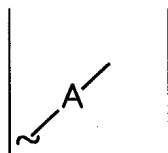


(-)

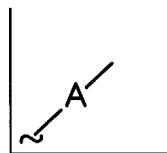


(-)

G C

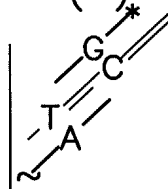


(-)

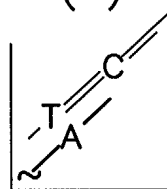


(-)

G T

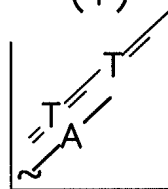


(+)

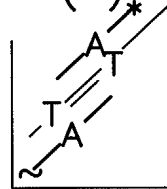


(-)

T C



(-)



(+)

T T

C

D

A

FIG. 3B

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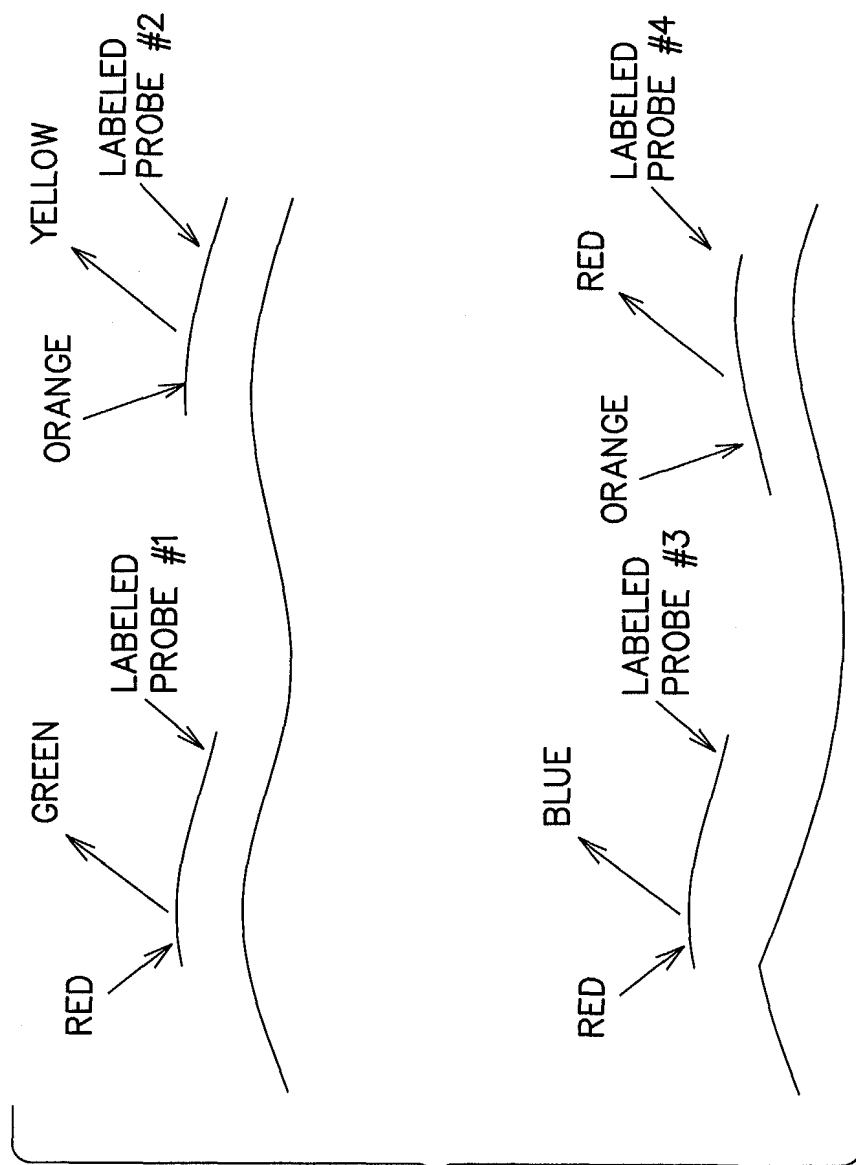
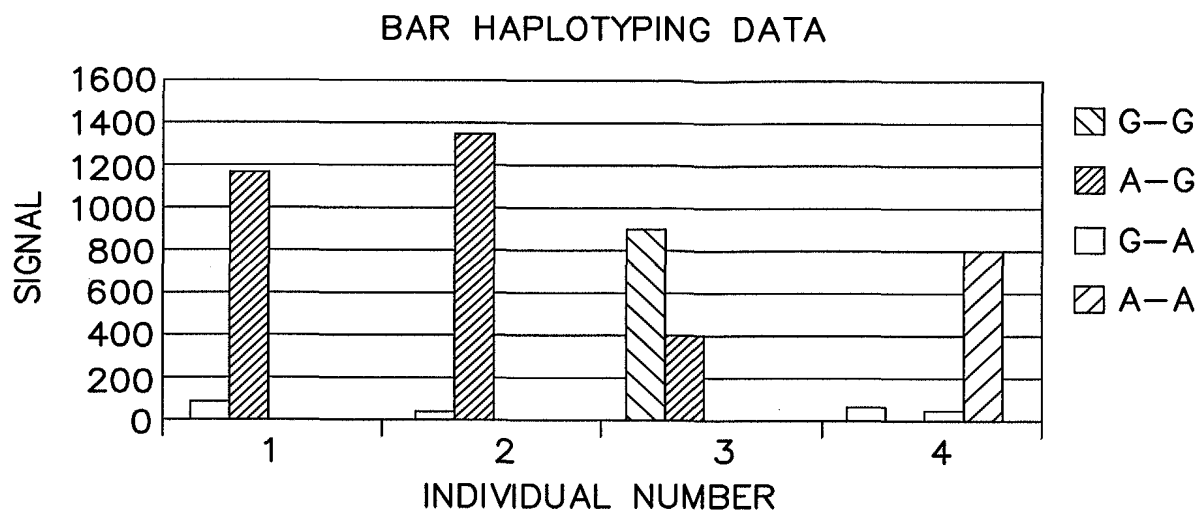


FIG. 4

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**FIG. 5**

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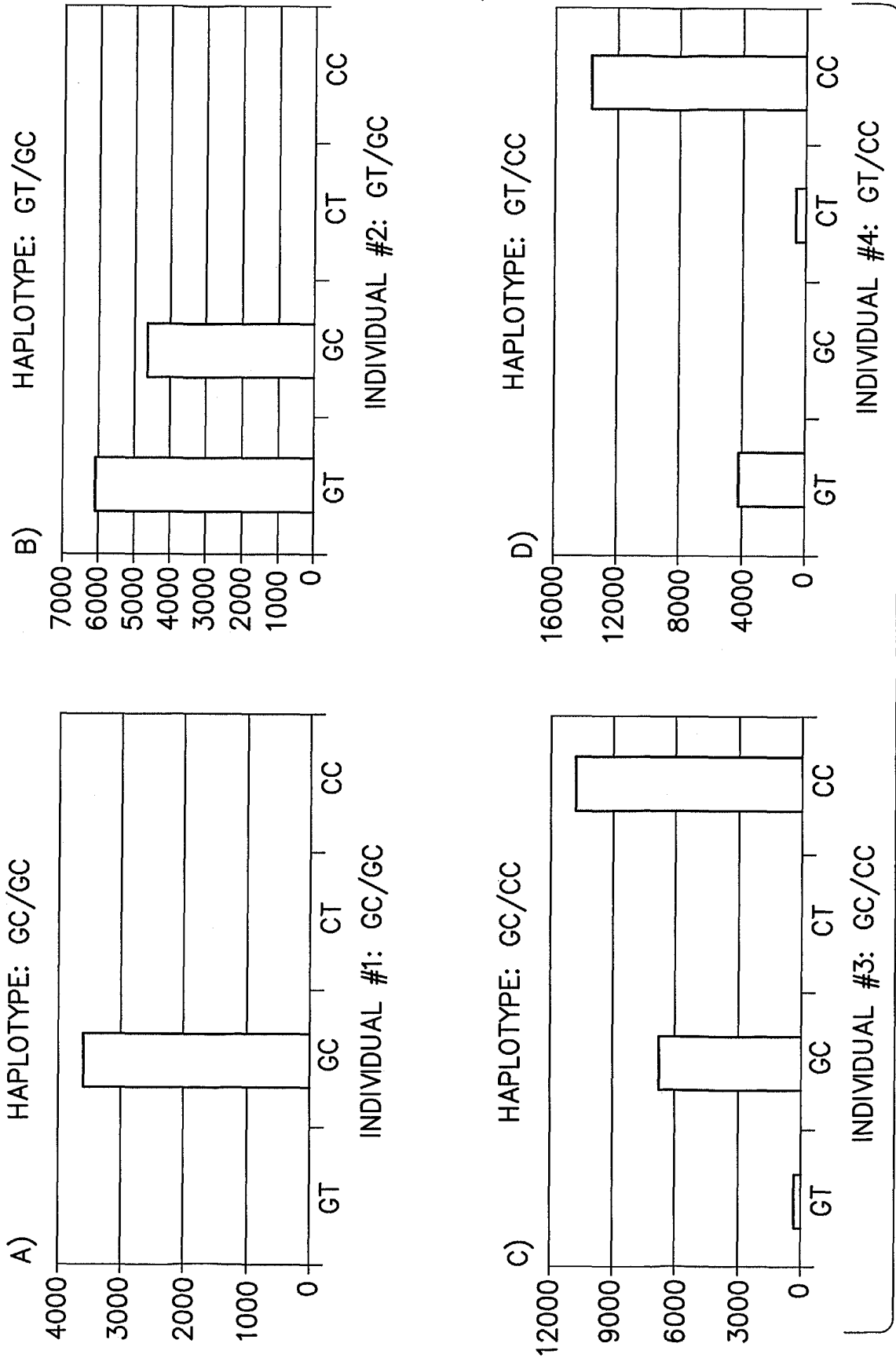


FIG. 6